THERMOCHIMICA ACTA, VOLUME 161 (1990)

AUTHOR INDEX

Abou El-Enein, S. 217
Acree, Jr., W.E. 89
Al-Maydama, H.M.A. 51
Aleman, H. 267
Allan, J.R. 105, 111
Andruh, M. 247, 261

Bayol, A. 75
Biader Ceipidor, U. 37
Birnie, J. 105, 111
Botto, I.L. 355
Brandová, D. 11
Brezeanu, M. 247, 357, 363
Bruno, J.S. 339
Brzyska, W. 95
Bucci, R. 37, 309
Bujoreanu, V. 357, 363

Carson, B.R. 105
Ceolin, R. 189
Christopher, J. 207
Claudy, P. 75
Cooper, D.A. 327
Costantino, U. 317
Curini, R. 299

D'Ascenzo, G. 297
de Angelis, G. 297
de Jesús, F. 125
de la Peña, J.L. 125
del Re, G. 201
di Giacomo, G. 201
Donia, A.M. 217
Dragoe, N. 259

Fantauzzi, F. 201
Faraglia, G. 63
Farris, R.J. 287
Ferguson, J.A. 155
Filipek, E. 239
Flahaut, J. 189
Fujieda, S. 147

Gardner, P.J. 51
Germain, P. 75
Gerrard, D.L. 105, 111
Geus, J.W. 131
Ghardashkhani, S. 327
Gheorghies, C. 363
Gholami, M.R. 169
Gil, F.J. 23
Goh, S.H. 119
Golunski, S.E. 317
Gonzalez, B. 75
Guilemany, J.M. 23

Helps, K.D. 317
House, Jr., J.E. 85
Huang, C.-W. 29
Hudson, M.J. 317
Hyman, M. 155

Kawahito, J. 147
Król, A. 95

Lee, J.-S. 29
Lee, S.Y. 119
Letoffe, J.M. 75
Lielmezs, J. 267
Lozano, R. 125
Lyon, R.E. 287

Magrí, A.D. 37, 309
Magrí, A.L. 309
Mahapatra, S. 279
Masoud, M.S. 217
Masuda, Y. 55
Materazzi, S. 297
Meghea, A. 259
Milanova, M.M. 95
Nagagata, K. 55
Napoli, A. 309
Nayak, R. 279

Ollitrault-Fichet, R. 189

Paraschivoiu, I. 247
Perng, J.-C. 29
Prasad, T.P. 279

Rao, K.K. 279
Renton, A. 111
Rivet, J. 189
Román, J. 125
Rouland, J.C. 189
Rowe, M.W. 155

Sahleanu, D. 359
Segal, E. 247, 259, 357, 363
Silber, S.K. 155
Sindellari, L. 63
Sitran, S. 63
Smith, W.E. 111
Sridhar Kumar, M.P. 207
Strømme, K.O. 1
Swamy, C.S. 207

Trojan, M. 11
Tucker, S.A. 89
Tyler, B.J. 169

Vandenbrook, A.J. 85
van der Grift, C.J.G. 131
Vassallo, M. 353
Vigo, T.L. 339

Walczak, J. 239
Wells, C.F. 223

Zvaigzne, A.I. 89

THERMOCHIMICA ACTA, VOLUME 161 (1990)

SUBJECT INDEX

Acetone,
Comment on "Thermochemical investigations of associated solutions. 9. Prediction of excess enthalpies of ternary acetone + cyclohexane + chloroform mixtures from measured binary data" 89
Adipic acid,
Thermal, spectral and magnetic studies of some first-row transition metal complexes of adipic acid 105
Arsenic,
The As–Te system: phase diagram and glass separation 189
Associated solutions,
Comment on "Thermochemical investigations of associated solutions. 9. Prediction of excess enthalpies of ternary acetone + cyclohexane + chloroform mixtures from measured binary data" 89

Benzene-1,3-dioxyacetates,
Thermal decomposition of yttrium, lanthanum and lanthanide benzene-1,3-dioxyacetates in an air atmosphere 95
Benzimidazole,
Thermal behaviour of biologically interesting coordination compounds of benzimidazole with divalent metal ions 297
Bis(8-quinolinol) oxovanadium(IV),
Thermal and kinetic studies on the adducts with pyridines of bis(8-quinolinol) oxovanadium(IV) 125

Calcium chloride,
Enthalpy of dilution of aqueous $CaCl_2$ at 298.15 K 201
Calcium oxide,
A thermogravimetric study of the reaction between sulfur dioxide and calcium oxide 329
Captopril,
Thermoanalytical behaviour of the captopril–cobalt(II) complex 309
Chromium,
Phase equilibria in the $Cr_2V_4O_{13}$–$CrVMoO_7$ system 239
Cobalt,
Thermal studies on pyridine-3,4-dicarboxylic acid compounds of cobalt, nickel and copper 111
Cobalt(II) complexes,
Thermoanalytical behaviour of the captopril–cobalt(II) complex 309
Computers,
Thermogravimetry/magnetometry with a Cahn TA450 electronic analytical balance interfaced with an Apple II+ computer 155
Coordination compounds,
On the crystallization kinetics of some mixed oxides from a binuclear coordination compound as precursor 363
On the thermal stability and non-isothermal decomposition kinetics of a binuclear coordination compound precursor of mixed oxides 357
Thermal behaviour of biologically interesting coordination compounds of benzimidazole with divalent metal ions 297
Thermal behaviour of complex cation–complex anion-type coordination compounds. Part I 247
Thermal behaviour of complex cation–complex anion-type coordination compounds. Part II 259
Copper,
Thermal studies on pyridine-3,4-dicarboxylic acid compounds of cobalt, nickel and copper 111
Copper oxide,
Reactions of silica-supported copper oxide as a regenerable sorbent for flue gas desulphurisation 131
Crystallization,
On the crystallization kinetics of some mixed oxides from a binuclear coordination compound as precursor 363
β-Cyclodextrin,
Thermodynamic study of the hydration reaction of β-cyclodextrin 75
Cyclohexane,
Comment on "Thermochemical investigations of associated solutions. 9. Prediction of excess enthalpies of ternary acetone + cyclohexane + chloroform mixtures from measured binary data" 89
Cyclotetraphosphates,
Study of thermal dehydration of $Mn_{0.5}Mg_{0.5}(H_2PO_4)_2 \cdot 4H_2O$ 11

Decomposition,
Thermal decomposition of bis[μ-(β-alanine)-O,O']-disilver(I) dinitrate 353
On the thermal stability and non-isothermal decomposition kinetics of a binuclear coordination compound precursor of mixed oxides 357
Thermal decomposition of yttrium, lanthanum and lanthanide benzene-1,3-dioxyacetates in an air atmosphere 95
Thermal decomposition of hydrolysis products of $Fe(OH)SO_4$ 279
Dehydration,
Kinetic studies of thermal dehydration of zinc(II) formate dihydrate by means of isothermal gravimetric measurements and microscopic observation 55
Study of thermal dehydration of $Mn_{0.5}Mg_{0.5}(H_2PO_4)_2 \cdot 4H_2O$ 11
Desulphurisation,
Reactions of silica-supported copper oxide as a regenerable sorbent for flue gas desulphurisation 131
Devitrification,
A study of nucleation and devitrification kinetics of a low-melting-point solder–glass system $PbO–ZnO–B_2O_3$ by differential thermal analysis 29
Dichlorobis(hydrazine)cadmium(II),
Synthesis and thermal characteristics of dichlorobis(hydrazine)cadmium(II) 85
Dilution,
Enthalpy of dilution of aqueous $CaCl_2$ at 298.15 K 201

Electronic analytical balance,
Thermogravimetry/magnetometry with a Cahn TA450 electronic analytical balance interfaced with an Apple II+ computer 155
Ethylene,
Oscillatory behavior of the ethylene hydrogenation reaction at high temperatures over nickel catalyst in the presence of an applied magnetic field 267
Evolved gas analysis,
Application of evolved gas analysis to surface characterization of organically-modified inorganic materials 317
Excess enthalpy,
Comment on "Thermochemical investigations of associated solutions. 9. Prediction of excess enthalpies of ternary acetone + cyclohexane + chloroform mixtures from measured binary data" 89

$Fe(OH)SO_4$,
Thermal decomposition of hydrolysis products of $Fe(OH)SO_4$ 279
Fibrous substrates,
Thermal analysis of fibrous substrates containing cross-linked polyols 339
Flue gas,
Reactions of silica-supported copper oxide as a regenerable sorbent for flue gas desulphurisation 131

Gas phase processes,
A thermokinetic method for the determination of heats of reaction of gas phase processes 169
Glass separation,
The As–Te system: phase diagram and glass separation 189
Glasses,
A study of nucleation and devitrification kinetics of a low-melting-point solder–glass system $PbO–ZnO–B_2O_3$ by differential thermal analysis 29
Gravimetric measurements,
Kinetic studies of thermal dehydration of zinc(II) formate dihydrate by means of isothermal gravimetric measurements and microscopic observation 55

Heat exchange calorimeter,
A heat exchange calorimeter for smaller heat effects involving an optronic heat source 147
Heat-flux calorimeter,
Analysis of heat-flux calorimeter signals 287
Heats of reaction,
A thermokinetic method for the determination of heats of reaction of gas phase processes 169
Hydration,
Thermodynamic study of the hydration reaction of β-cyclodextrin 75
Hydrogenation,
Oscillatory behavior of the ethylene hydrogenation reaction at high temperatures over nickel catalyst in the presence of an applied magnetic field 267
Hydrolysis,
Thermal decomposition of hydrolysis products of $Fe(OH)SO_4$ 279
Hydroxy-5-methylazobenzene-...
Solid-state thermal polymorphic transformations for some solvates of 2-hydroxy-5-methylazobenzene-4′-carboxylic acid complexes 217

Hydroxylic co-solvents,
Ionic solvation in water + co-solvent mixtures. Part 20. The 'neutral' component of free energies of transfer of single ions from water into mixtures of water + hydroxylic co-solvents 223

Instrument parameters,
Using thermoanalytical data. Part 2. The dependence of kinetic data available from thermogravimetry on sample and instrument parameters: a method for calculating 'true' kinetic parameters 37
Intermetallics,
Thermal studies on high temperature oxidation behaviour of nickel containing AB_5 type intermetallics 207
Iodination,
Effect of iodination on the thermal properties of polystyrene 119

Kinetic parameters,
Using thermoanalytical data. Part 2. The dependence of kinetic data available from thermogravimetry on sample and instrument parameters: a method for calculating 'true' kinetic parameters 37

Lanthanides,
Thermal decomposition of yttrium, lanthanum and lanthanide benzene-1,3-dioxyacetates in an air atmosphere 95

Magnetic field,
Oscillatory behavior of the ethylene hydrogenation reaction at high temperatures over nickel catalyst in the presence of an applied magnetic field 267
Martensitic transformation,
Differences in the singular temperatures or martensitic transformation measured by calorimetry and stress–strain methods in single crystals of shape-memory Cu–Zn–Al alloys 23
Microscopic observation,
Kinetic studies of thermal dehydration of zinc(II) formate dihydrate by means of isothermal gravimetric measurements and microscopic observation 55
Mixed oxides,
On the crystallisation kinetics of some mixed oxides from a binuclear coordination compound as precursor 363
On the thermal stability and non-isothermal decomposition kinetics of a binuclear coordination compound precursor of mixed oxides 357

Molybdenum,
Phase equilibria in the $Cr_2V_4O_{13}$–$CrVMoO_7$ system 239

Nickel,
Oscillatory behavior of the ethylene hydrogenation reaction at high temperatures over nickel catalyst in the presence of an applied magnetic field 267
Thermal studies on high temperature oxidation behaviour of nickel containing AB_5 type intermetallics 207
Thermal studies on pyridine-3,4-dicarboxylic acid compounds of cobalt, nickel and copper 111
Nucleation,
A study of nucleation and devitrification kinetics of a low-melting-point solder–glass system PbO–ZnO–B_2O_3 by differential thermal analysis 29

Optronic heat source,
A heat exchange calorimeter for smaller heat effects involving an optronic heat source 147
Oscillatory behavior,
Oscillatory behavior of the ethylene hydrogenation reaction at high temperatures over nickel catalyst in the presence of an applied magnetic field 267
Oxidation,
Thermal studies on high temperature oxidation behaviour of nickel containing AB_5 type intermetallics 207

Palladium(II) complexes,
Thermal *S*-demethylation in palladium(II) and platinum(II) complexes with *S*-methyl *N,N*-dialkyldithiocarbamates 63
Phase diagram,
The As–Te system: phase diagram and glass separation 189
Phase equilibria,
Phase equilibria in the $Cr_2V_4O_{13}$–$CrVMoO_7$ system 239
Phosphorous acid,
The enthalpy of solution of phosphorous acid (H_3PO_3) in water 51
Platinum(II) complexes,
Thermal *S*-demethylation in palladium(II) and platinum(II) complexes with *S*-methyl *N,N*-dialkyldithiocarbamates 63
Polymorphic transformations,
Solid-state thermal polymorphic transformations for some solvates of 2-hydroxy-5-methylazobenzene-4′-carboxylic acid complexes 217

Polyols,
Thermal analysis of fibrous substrates containing cross-linked polyols 339
Polystyrene,
Effect of iodination on the thermal properties of polystyrene 119
Pyridine-3,4-dicarboxylic acid,
Thermal studies on pyridine-3,4-dicarboxylic acid compounds of cobalt, nickel and copper 111
Pyridines,
Thermal and kinetic studies on the adducts with pyridines of bis(8-quinolinol) oxovanadium(IV) 125

Reaction rates,
Thermodynamic restrictions on non-isothermal chemical reaction rates 1

S-Demethylation,
Thermal *S*-demethylation in palladium(II) and platinum(II) complexes with *S*-methyl *N*,*N*-dialkyldithiocarbamates 63
Sample parameters,
Using thermoanalytical data. Part 2. The dependence of kinetic data available from thermogravimetry on sample and instrument parameters: a method for calculating 'true' kinetic parameters 37
Shape memory alloys,
Differences in the singular temperatures or martensitic transformation measured by calorimetry and stress–strain methods in single crystals of shape-memory Cu–Zn–Al alloys 23
Silver(I) compounds,
Thermal decomposition of bis[μ-(β-alanine)-*O*,*O*']-disilver(I) dinitrate 353
Solder–glass system,
A study of nucleation and devitrification kinetics of a low-melting-point solder–glass system PbO–ZnO–B_2O_3 by differential thermal analysis 29
Solution,
The enthalpy of solution of phosphorous acid (H_3PO_3) in water 51
Solvation,
Ionic solvation in water + co-solvent mixtures. Part 20. The 'neutral' component of free energies of transfer of single ions from water into mixtures of water + hydroxylic cosolvents 223
Stress,
Differences in the singular temperatures or martensitic transformation measured by calorimetry and stress–strain methods in single crystals of shape-memory Cu–Zn–Al alloys 23
Sulfur dioxide,
A thermogravimetric study of the reaction between sulfur dioxide and calcium oxide 327
Surface characterization,
Application of evolved gas analysis to surface characterization of organically-modified inorganic materials 317

Tellurium,
The As–Te system: phase diagram and glass separation 189
Thermodynamic restrictions,
Thermodynamic restrictions on non-isothermal chemical reaction rates 1
Transfer,
Ionic solvation in water + co-solvent mixtures. Part 20. The 'neutral' component of free energies of transfer of single ions from water into mixtures of water + hydroxylic cosolvents 223
Transition metal complexes,
Thermal, spectral and magnetic studies of some first-row transition metal complexes of adipic acid 105

Vanadium,
Phase equilibria in the $Cr_2V_4O_{13}$–$CrVMoO_7$ system 239

Water,
Ionic solvation in water + co-solvent mixtures. Part 20. The 'neutral' component of free energies of transfer of single ions from water into mixtures of water + hydroxylic cosolvents 223

Yttrium,
Thermal decomposition of yttrium, lanthanum and lanthanide benzene-1,3-dioxyacetates in an air atmosphere 95

Zinc(II)formate dihydrate,
Kinetic studies of thermal dehydration of zinc(II)formate dihydrate by means of isothermal gravimetric measurements and microscopic observation 55